

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #14—Aug 13, 2007**

## Work Completed: August 2-8, 2007

- Completed construction of Staging Area 2S including placing stone and installing geosynthetic material.
- Began grading for the construction of Staging Area 5S.
- Completed temporary access roads to Removal Areas 6A, 3B, and 4B.
- Completed unloading steel sheeting for cofferdam and water control structure (WCS) installation.
- Installed a turbidity curtain for Removal Areas 2B and 3B.
- Completed site preparation activities for construction of a temporary dock near the Plainwell Dam.
- Completed excavating non-TSCA soil (to planned excavation depths) from Removal Area 6A. Continued excavating non-TSCA soil from Removal Area 5 and Island 3. Excavated additional non-TSCA soil from Upland Area 3A2 based on confirmation sampling results.
- Solidified, loaded and transported excavated material to Allied Waste's C&C landfill in Marshall, Michigan (non-TSCA material). Continued solidifying soil at Staging Area 1N using a pug mill with cement.
- Began placing restoration stone at Removal Area 6A.
- Continued surveying and confirmation sampling in Removal Areas 5 and 6A, Upland Area 3A2, and Island 3.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	0	0	805	23
Total to Date	1225	35	7070	202

\*\* All values are unofficial, estimated quantities, subject to revision/verification.

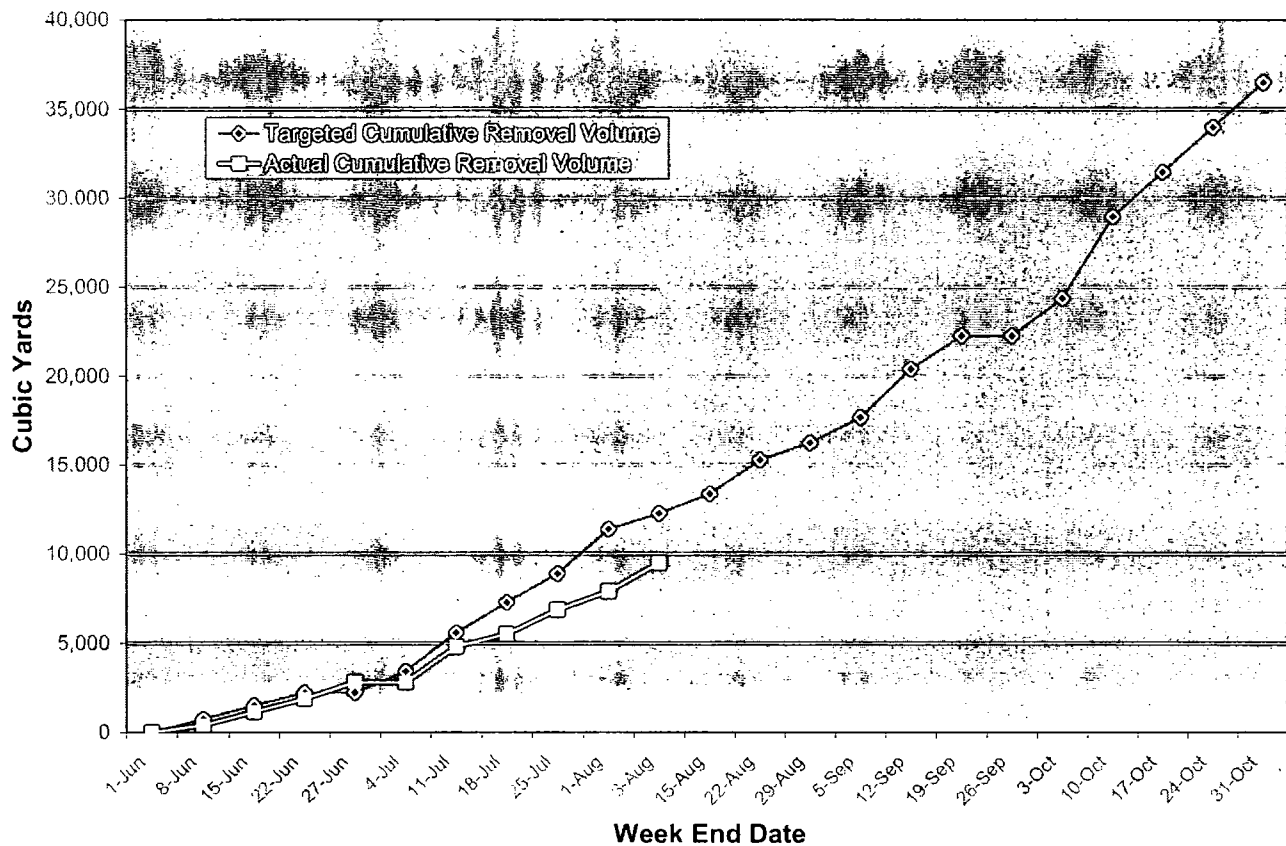


**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #14  
Page 2 of 8**

***Work Planned: August 9-15, 2007***

- Continue constructing Staging Area 5S, including placing stone and installing geosynthetic material.
- Continue constructing temporary access roads from the Plainwell Dam to Staging Area 5S.
- Begin installing a temporary dock near Plainwell Dam.
- Begin installing templates and steel sheeting for the construction of the Phase 1 Cofferdam.
- Complete excavation of non-TSCA soil from Removal Area 5 and Island 3. Begin excavating non-TSCA soil from the south bank of the Kalamazoo River at Removal Areas 2B and 3B.
- Continue solidifying soil with cement at Staging Area 1N using a pug mill.
- Continue loading and transporting solidified non-TSCA material from Staging Area 1N to Allied Waste's C&C Landfill in Marshall, Michigan. Continue solidifying soil with cement at Staging Area 1N. Begin stockpiling and processing soil at Staging Area 2S.
- Complete the placement of restoration stone at Removal Area 6A.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Areas 5, 2B, 3B, and Island 3.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

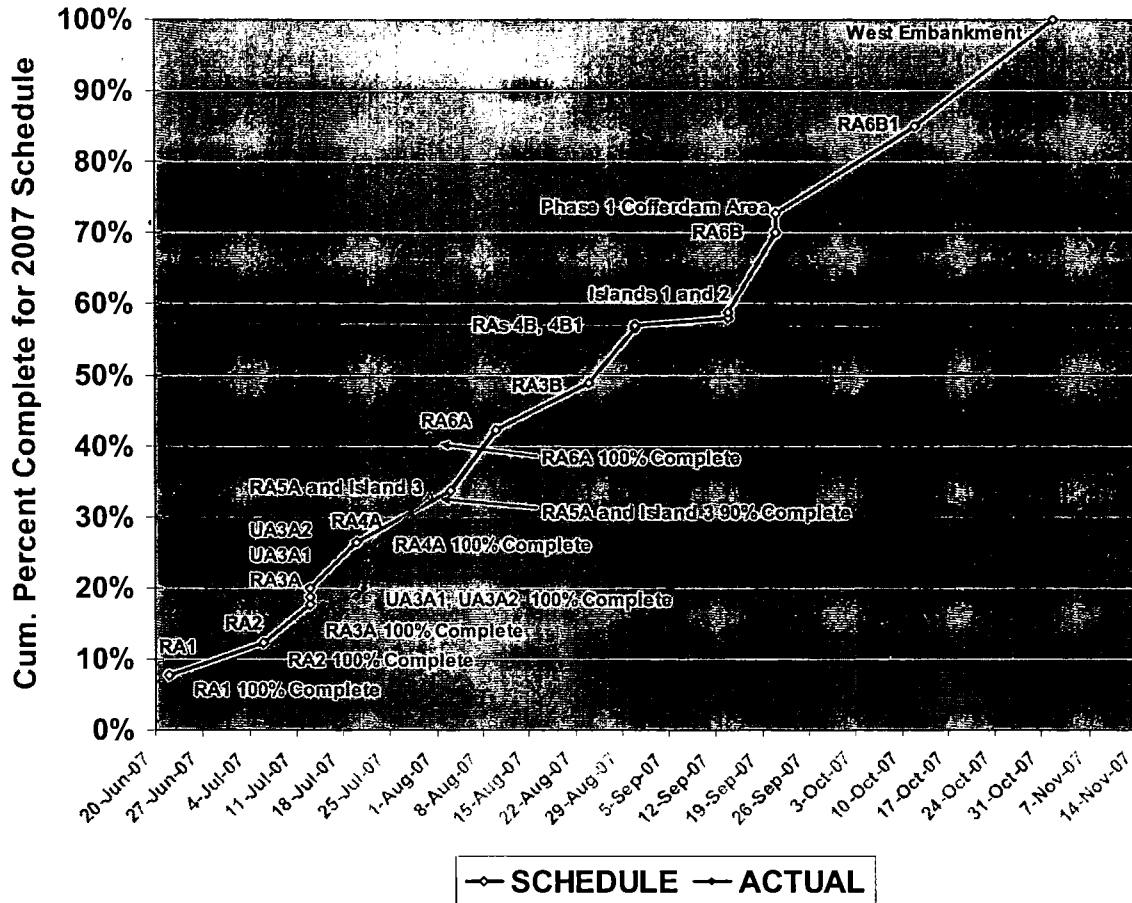
### Removal Progress



Note: Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Note: Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

# Removal Progress



**Health & Safety Update**

- Four Loss Prevention Observations (LPOs) were completed this week.  
A total of 32 LPOs have been completed for the project to date.

**Weather Summary**

- Work was cancelled on August 7, 2007 due to thunderstorms and lightning.

**Environmental Monitoring and Construction Quality Assurance Testing**

Resuspension/Turbidity Monitoring:

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

Dewatering System Discharge Monitoring:

Discharge Flow: None  
Testing Performed this Week? No ☒ Yes ☐  
Exceedances? N/A ☒ No ☐ Yes ☐ If yes, explain:

Excavation Verification Sampling:

Testing Performed this Week? No ☐ Yes ☒ in Removal Area(s): 3A2, 5, 6A, and  
Island 3  
Cleanup Standard Achieved? N/A ☐ Yes ☐ No ☒ If no, explain: One  
confirmation sample collected on July 24, 2007 from Removal Area 3A2 exceeded the  
cleanup criteria (26 ppm vs. 4 ppm). An additional six inches of soil was removed and the  
Removal Area was resampled. ARCADIS is currently awaiting laboratory analytical results  
for this sample.

**Issues Encountered/Solutions Advanced**

- None

**Former Plainwell Impoundment  
Time-Critical Removal Action  
Weekly Construction Update  
Progress Report #14  
Page 6 of 8**

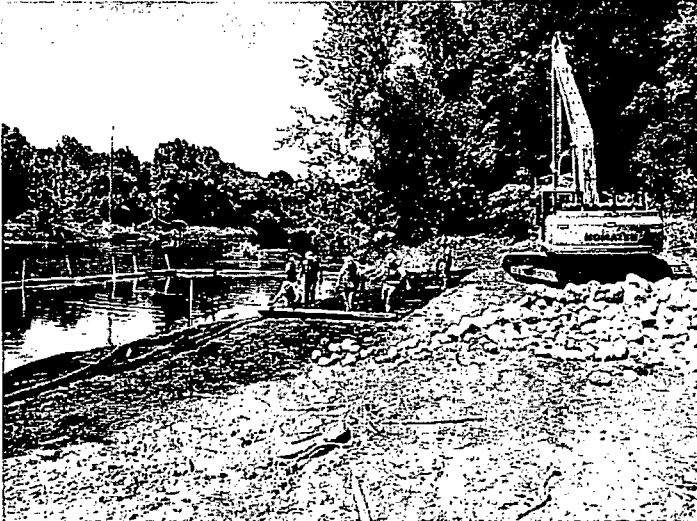
**Equipment on Site**

Equipment	8/2/07	8/3/07	8/4/07	8/5/07	8/6/07	8/7/07	8/8/07
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Hitachi 450 Excavator	1	1	1	1	1	1	1
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	1	1	1	1	1	1	1
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Vermeer Chipper	2	2	2	2	2	2	2
Komatsu D65 Dozer	1	1	1	1	1	1	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
Terex RT 50-ton Crane	0	0	0	0	0	0	1
2,000 Gallon Water Truck	2	2	2	2	2	2	2
Komatsu 400 Articulating Dump Truck	3	3	3	3	3	3	3

**Personnel, Regulatory Staff, and Visitors on Site**

Individual/Affiliation	8/2/07	8/3/07	8/4/07	8/5/07	8/6/07	8/7/07	8/8/07
Terra Contracting Staff	20	20			20	20	20
Sam Borries/USEPA OSC		X					
Mike Ribordy/USEPA OSC	X	X					
Craig Thomas/USEPA							
Paul Bucholtz/MDEQ		X				X	
John Bradley/MDEQ							
John Lerg/MDNR		X					
Weston Contractors					1	1	1
Drew Santini/CDM							
Rick Difiore/ARCADIS BBLES							
Steve Garbaciak/ARCADIS BBL							
Anthony Esposito/ARCADIS BBL							
Adam Chwailbog/ARCADIS BBL							
Eric Hritsuk/ARCADIS BBL		X			X	X	X
Rich Price/ARCADIS BBLES	X	X					X
Matt Bowman/ARCADIS BBLES							
EJ Suardini/ARCADIS BBLES	X	X			X	X	X
Mike Kohagen/ARCADIS BBLES	X	X	X		X	X	X
Ben Lawrence/ARCADIS BBLES	X	X	X		X	X	X
Michelle Rumler/ARCADIS BBL	X				X	X	X
Joe Willoughby/ARCADIS BBLES							
Nick Harmer/ARCADIS BBL	X	X			X	X	X
<i>Other Subcontractors (Specify)</i>							
King Construction (WCS/cofferdam)							3

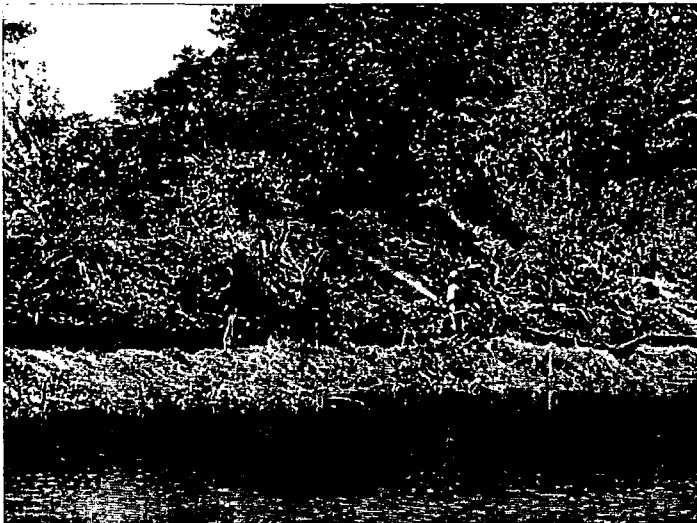
*Photos from Week #14*



*Installing geotextile materials prior to the placement of restoration stone at Removal Area 6A.*



*Heavy equipment excavating and hauling soil at Island 3.*



*Performing dust control during clearing and grubbing activities upstream of the Plainwell Dam.*



*Base grading on Aggregate Industries property for construction of Staging Area 5S.*

